

TECHNICAL DATA SHEET

ORGALLOY® RS 6630 BLACK

POLYAMIDE ALLOY PELLET

ORGALLOY® RS 6630 NAT is a polyamide alloy. This natural glass reinforced grade is designed for injection molding and offers an outstanding dimensional stability, chemical resistance to automotive fluids and is ideal for the realization of complex parts.

TYPE

PA*

MAIN APPLICATIONS

- 工業 - その他
- 産業用 - 流通
- 自動車 - その他の射出成形

配送形態

- ペレット

変換プロセス

- 射出成形

添加剤

- 熱安定
- 光安定

RHEOLOGICAL PROPERTIES

プロパティ	価値	UNIT	テスト基準
Melt volume flow rate (MVR), 275°C / 2.16 kg (527°F / 4.4 lb)	8.5	cm³/10min	ISO 1133
Shrinkage, Parallel (t+24h)	0.5	%	ISO 294-4
Shrinkage, Normal (t+24h)	1.4	%	ISO 294-4

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	UNIT	テスト基準
Hardness, Shore D, 15 s	- / 79		ISO 868
Charpy unnotched impact strength, 23°C (73°F)	58 / 58	kJ/m²	ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	50 / 50	kJ/m²	ISO 179 1eU
Charpy notched impact strength, 23°C (73°F)	10 / 11	kJ/m²	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	9 / 9	kJ/m²	ISO 179 1eA
Tensile modulus, 23°C (73°F), 1 mm/min	8600 / 8300	MPa	ISO 527-1/-2
Flexural modulus, 23°C (73°F)	- / 6600	MPa	ISO 178

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

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THERMAL PROPERTIES

プロパティ	価値	UNIT	テスト基準
Vicat softening temperature, 50N at 50°C/h	204	°C	ISO 306
Heat deflection temperature, 0.45 MPa	257	°C	ISO 75-1/-2
Heat deflection temperature, 1.8 MPa	237	°C	ISO 75-1/-2
Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3

ELECTRICAL PROPERTIES

プロパティ	DRY / COND VALUE*	UNIT	テスト基準
Surface resistivity, 23°C (73°F)	- / >1E15	ohm/sq	IEC 62631-3-2
Volumic (transversal) resistivity, 23°C (73°F)	- / >1E13	ohm/m	IEC 62631-3-1
Comparative tracking index, 23°C (73°F)	- / 600		IEC 60112
Dielectric stress, 23°C (73°F)	- / 34		IEC 60243-1
Relative permittivity, 100Hz	- / 3		
Relative permittivity, 1Mhz	- / 4		
Dissipation factor, 100Hz	- / 290		
Dissipation factor, 1Mhz	- / 290		

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COND: Conditionned.

OTHER PROPERTIES

プロパティ	価値	UNIT	テスト基準
Moisture absorption, At equilibrium at 23°C (73°F) / 50%HR	1.3	%	ISO 62
Water absorption, 23°C(73°F), immersion, equilibrium	3.9	%	ISO 62
Specific gravity, 23°C (73°F)	1.27	g/cm³	ISO 1183-1

包装

Available packaging:

- 25 kg / 55 lb 袋

保存期間

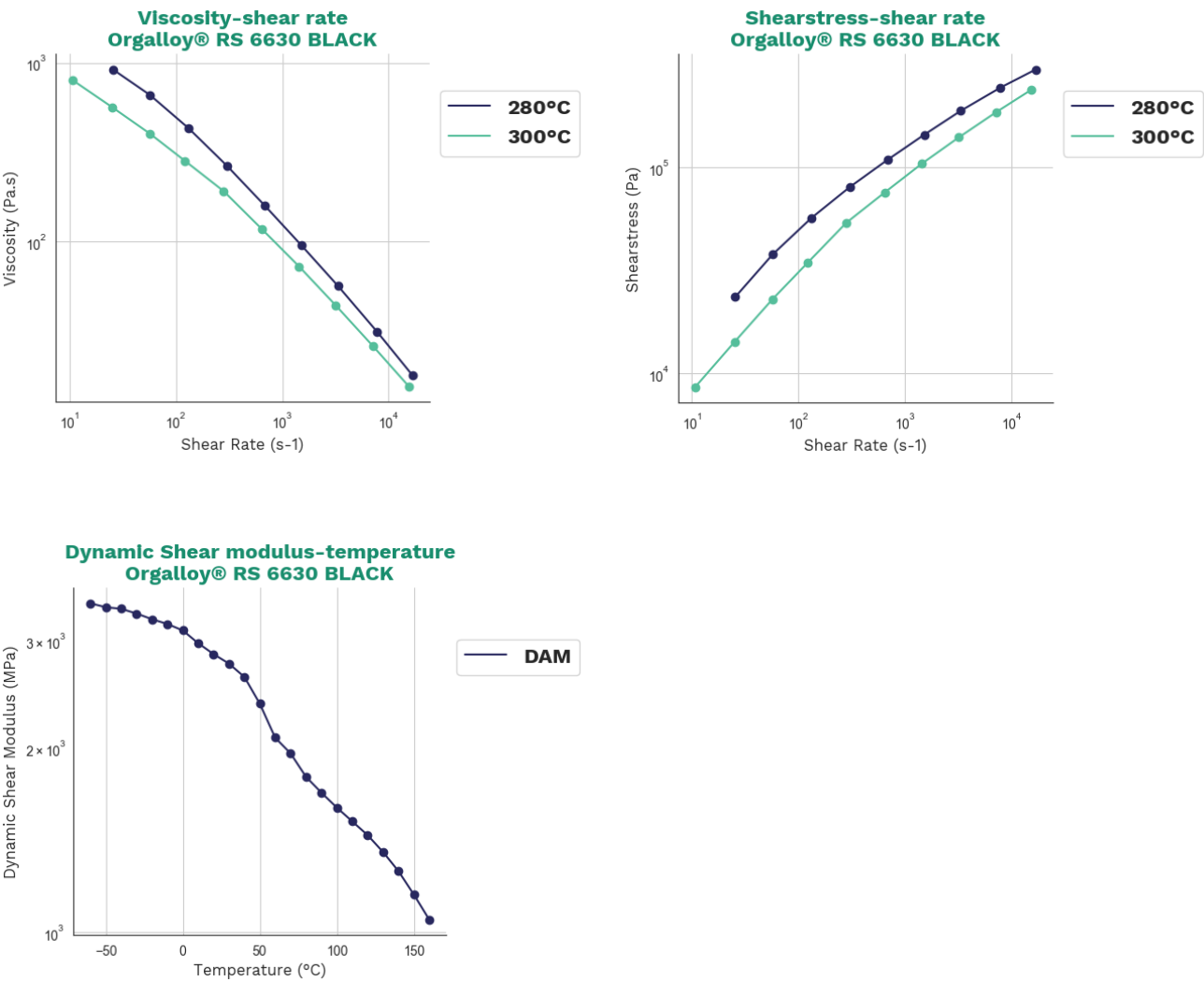
納品日から2年間。適切な条件 (容器の密閉、適切な温度・湿度、UVカット) で保管された場合有効です。この期限を超えて使用する場合は、弊社の技術サービスにご相談ください。

PROCESSING CONDITIONS:

- 典型的な溶融温度 (最小/推奨/最大) - 射出成形: 270°C / 290°C / 310°C (520°F / 555°F / 590°F)
- 典型的な金型温度 - 射出成形: 20-60°C (70-140°F)
- 乾燥時間と温度: 80-90°C (175-195°F) / 4-6時間

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DIAGRAMS



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