

RILSAMID®

MA 4411 BLACK

PA12, MHLR, 16-010

Rilsamid® MA 4411 BLACK resin is plasticized and designed for tube extrusion.

Rilsamid® MA 4411 BLACK resin falls into the PA12-HIPHL category according to DIN 73378 (PA12-HIP, EHL, 22-004).

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	14 / *	cm ³ /10 min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	-
Load	5 / *	kg	-
	11 / *	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 470	MPa	ISO 527-1/-2
	- / 68200	psi	
Yield Stress	- / 25	MPa	ISO 527-1/-2
	- / 3630	psi	
Yield Strain	- / 23	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness, after 15 s	63 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 6	kJ/m ²	ISO 179/1eA
	- / 2.85	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	175 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / -	kg/m ³	ISO 1183
	1.03 / -	g/cm ³	

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Source: automatically generated TDS from Material Database on 20-02-2024

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PROCESSING Profile Extrusion, Other Extrusion	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
DELIVERY FORM Pellets	
ADDITIVES Plasticizer	
SPECIAL CHARACTERISTICS Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	

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