

Pebax® 4033 SD 01

Polyether Block Amide

Arkema

Message:

Pebax® 4033 SD 01 is a Polyether Block Amide (PEBA-Ether) product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Good Mold Release

Good UV Resistance

General Information			
Features	Good Mold Release		
	Good UV Resistance		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 kg)	3.0	g/10 min	ASTM D1238
Water Absorption			ASTM D570
24 hr	1.2	%	
Saturation	0.50	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	90		
Shore D	40		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	36.0	MPa	ASTM D638
Tensile Elongation (Break)	490	%	ASTM D638
Flexural Modulus	75.2	MPa	ASTM D790
Flexural Strength (Yield)	4.30	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	No Break		
19°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	132	°C	ASTM D1525
Melting Temperature	119 to 170	°C	
CLTE - Flow	2.3E-4	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+10	ohms	ASTM D257
Volume Resistivity	7.0E+11	ohms·cm	ASTM D257
Dielectric Constant (1 kHz)	8.60		ASTM D150

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