

ExxonMobil™ PP5032E3

Polypropylene Homopolymer

ExxonMobil Chemical

Message:

PP 5032E3 is a polypropylene homopolymer, used to produce single fiber, textile industry webbing, geotextile, packaging, agriculture and fishery with thick and thin rope fibrillated belt, but also suitable for cooling rollers and water bath lines.

General Information			
Features	Low water portability		
Uses	Packaging		
	Fiber		
	Consumer goods application field		
	Fabric		
	Heavy packing bag		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		
	Filament extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1440	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Flexural Modulus ¹	1430	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	86.0	°C	ISO 75-2/B
Peak Melting Temperature	160	°C	ASTM D3418
Legal statement			
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NOTE			
1.	2.0 mm/min		

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