Edgetek™ ET5200-5014 NC FD

Polypropylene Impact Copolymer

PolyOne Corporation

Message:

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and customer-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications, flame-retardant products as well as customer-specific compounds. These compounds are based on selected engineering thermoplastic resins containing reinforcing fillers and/or special additives.

General Information			
Features	Impact resistance, good Good liquidity		
Uses	Household goods Consumer goods application field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density [1] (23°C)	1.00	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	19	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	22.0	cm³/10min	ISO 1133
Molding Shrinkage - Flow [2] (23°C, 4.00 mm)	1.2 - 1.6	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [3] (23°C, 4.00 mm)	1900	MPa	ISO 527
Tensile Stress [4] (Yield, 23°C, 4.00 mm)	26.0	MPa	ISO 527
Tensile Strain [5] (Break, 23°C, 4.00 mm)	> 50	%	ISO 527
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	> 17	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	100	kJ/m²	ISO 179
Additional Information			
Determination of algae resistance: very good resistance against algae with growth rate 0Determination method: SAN BIO 33/99			
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 4.0	hr	
NOTE			
1.	±0,03		
2.	Bergmann method		
3.	1 mm/min		

4.	5 mm/min
5.	5 mm/min

Recommended distributors for this material

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