

Advanced Composites TX-35

Polypropylene Impact Copolymer

Advanced Composites, Inc.

Message:

Advanced Composites TX-35 is a polypropylene impact copolymer (PP Impact Copoly) product. It is available in North America. Typical application areas are: automotive industry.

Features include:

Copolymer

Impact resistance

General Information			
Features	Impact copolymer		
	Impact resistance, good		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.5 - 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.0	MPa	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638
Flexural Modulus ³	1220	MPa	ASTM D790
Flexural Strength ⁴	31.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	171	°C	
Middle Temperature	179 - 199	°C	
Front Temperature	216	°C	
Nozzle Temperature	204	°C	
Processing (Melt) Temp	185 - 227	°C	
Mold Temperature	26.7 - 43.3	°C	
Injection Rate	Slow-Moderate		
Cushion	5.00 - 10.0	mm	
Injection instructions			

Injection Pressure: 20 to 60% of machine capacityScrew RPM: 1 to 2 secs before mold open

NOTE

1.	10 mm/min
2.	10 mm/min
3.	2.0 mm/min
4.	2.0 mm/min

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

