

Dynacom TY-5B

Polypropylene Copolymer

Dynachem Co. Ltd.

Message:

Dynacom TY-5B is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow ¹	1.3	%	ASTM D955
Water Absorption (23°C, 24 hr)	< 0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	27.5	MPa	ASTM D638
Tensile Elongation ³ (Break)	40	%	ASTM D638
Flexural Modulus ⁴	2150	MPa	ASTM D790
Flexural Strength ⁵	39.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	128	°C	ASTM D648
Vicat Softening Temperature	157	°C	ASTM D1525 ⁶
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (1.00 mm)	40	kV/mm	ASTM D149
Arc Resistance	130	sec	ASTM D495
NOTE			
1.	Thickness: 2 to 3 mm		
2.	50 mm/min		
3.	50 mm/min		
4.	3.0 mm/min		
5.	3.0 mm/min		
6.	Loading 1 (10 N)		

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