

TechResin® 390

TechResin® 390 is high impact block copolymer which has high ethylene-propylene rubber content. This grade is designed to be processed in huge injection molding equipment by improvement in mold release and anti-static.

TechResin® 390 shows high melt flow and has good balance of strength, impact resistance.

Applications

- General household goods, thin-wall parts
- Home appliances etc.

Physical Properties¹

Physical	Test Method	Nominal Values	
Melt Flow Index	ASTM D1238	80	g/10min
Density	ASTM D792	0.90	g/cm ³
Mechanical			
Tensile Stress (Yield)	ASTM D638	23	MPa
Tensile Strain (Break)	ASTM D638	<100	%
Flexural Modulus	ASTM D790	1,520	MPa
Impact			
Notched Izod Impact Strength (23 °C)	ASTM D256	49	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	25	J/m
Thermal			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	125	°C
Additional Properties			
Flammability	UL94	HB	

ISO 9001, 14001

¹ Physical Properties : these are not to be construed as specifications

MDT does not guarantee reproduction of these results. This is not a Certificate of Analysis and the customer is responsible for testing and confirming the Material Properties before making commercial use of the product to ensure that the product is fit for the intended application and that the product can be used, and any waste material disposed of, safely, properly, and legally based on the customer's or other's circumstances. Determination of the suitability and fitness of the product for any particular application is the sole responsibility of the purchaser of the product. This information is solely intended for informational purposes. This material confirmation relates solely to the product listed above and not as incorporated in any product or used in any process. Material Difference Technology makes no warranty or representation of any kind, regarding the information given or the products described, and expressly disclaims all implied warranties and conditions of quality, merchantability and suitability or fitness for a particular purpose. The customer or other user of the product assumes all risk and liability arising out of the use of the product, whether used alone or in combination with other materials. The presence absence or lack of information herein with respect to any particular international, national, federal, state or local law, statute, regulation, order or rule should not be construed to mean that product is regulated under, complies with or is exempt from such international, national, federal state or local law, statute, regulation, order or rule