DG-T510N | Transparent ABS Resin

High Rigidity Medium Impact Grade

Product Description

DG-T510N is a high rigidity medium impact grade. The technical values below are based on manufacturer-provided product documentation.

Typical Properties

Property	Nominal Value	Unit	Test Method	Test Conditions
Melt Flow Index	22	g/10 min	ASTM D1238	220°C / 10 kg
Specific Gravity	1.10	-	ASTM D792	23°C
Mold Shrinkage	0.4 - 0.7	%	ASTM D955	23°C, 3.2 mm
Flexural Strength	68	MPa	ASTM D790	2 mm/min
Flexural Modulus	2400	MPa	ASTM D790	2 mm/min
Tensile Strength	55	MPa	ASTM D638	50 mm/min
Izod Notched Impact Strength	100	J/m	ASTM D256	23°C, 3.2 mm
Luminous Transmittance	90	%	ASTM D1003	3.2 mm
Haze	2	%	ASTM D1003	3.2 mm
Vicat Softening Temperature	95	°C	ASTM D1525	50 N, 50°C/hr

Features & Applications

Features	High transparency, high rigidity, medium impact
Applications	Electronics, household appliances, toys, vehicles, etc.

Processing Guide

Processing Parameter	Recommended Value	Unit
Drying Temperature	80 - 90	°C
Drying Time	2 - 4	hr
Moisture Content	0.01	%
Melt Temperature	180 - 220	°C
Mold Temperature	180 - 220	°C

Note: Technical property data is based on manufacturer-provided documentation and is provided for reference only. Typical values are not guaranteed specifications. Customers should confirm final specifications and suitability for their intended application.