

DG-FR215 | ABS Resin

Flame Retardant Grade

Product Description

DG-FR215 is a flame retardant 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
Flexural Strength	57	MPa	ASTM D790	2 mm/min
Flexural Modulus	2000	MPa	ASTM D790	2 mm/min
Tensile Strength	42	MPa	ASTM D638	50 mm/min
Izod Notched Impact Strength	210	J/m	ASTM D256	23°C, 3.2 mm
Vicat Softening Temperature	98	°C	ASTM D1525	50 N, 50°C/hr
Flammability	V-0	-	UL 94	1.5 mm
Heat Deflection Temperature	78	°C	ASTM D648	1.80 MPa, 6.4 mm

Features & Applications

Features	Flame retardant grade (TBPC)
Applications	Shells of battery, plugs, office facilities, 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 - 210	°C
Mold Temperature	180 - 210	°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.