

ABS SH-0150

EXTRUSION GRADE ABS

Product Description

SH - 0150 ABS extrusion grade has been formulated to provide excellent mechanical properties, extrusion stability, vacuum formability and chemical resistance. It is a high flow extrusion grade with high impact strength at ambient temperature and considerable impact strength at low temperatures. This grade has a wide processing window.

Applications

SH - 0150 extrusion grade is mainly used for parts which need significant impact resistance. Since thin sheets can be vacuum – formed, it is an appropriate grade for general sheets.

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD	TEST CONDITION
MFI	Gr/10 min	1.1	ASTM D 1238	(200°C/5kg)
IZOD IMPACT STRENGTH (NOTCHED)	Kj / m ²	28	ISO 180	1/8 inch
TENSILE STRENGTH @ YIELD	Kgf /cm ²	450	ASTM D 638	5mm/min
ELONGATION @ BREAK	%	-	ASTM D 638	5mm/min
FLEXURAL STRENGTH @ YIELD	Kgf /cm ²	650	ASTM D 790	2.8mm/min
FLEXURAL MODULUS	Kgf /cm ²	22500	ASTM D 790	2.8mm/min
VICAT SOFTENING TEMPERATURE	°C	101.0	ASTM D 1525	5kg
R[°]CKWELL HARDNESS	R-Scale	106	ASTM D 785	-
FLAMMABILITY	Recognized	HB	UL 94	1.5mm

Density of this grade is approximately 1.03 gr/cm. Shrinkage of all ABS grades in mold is approximately 0.3 % ~ 0.6 % (ASTM D 955). All tests are carried out at 23 °C unless otherwise stated. The above data are typical laboratory average. They are intended to serve as guide only.

Processing Condition

Processing temperatures are recommended to be set at 180 °C - 200 °C for cylinder, 190 °C -220 °C for die and 80 °C - 110 °C for roll. SH-0150 ABS can be processed under different conditions based on machinery available and articles molded. Avoid excessive melt temperatures and long residence time, as they may cause thermal degradation.

Producer: Tabriz petrochemical Co.

Licenser: SAMUNG

Packing: 25 Kg plastic bag

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