

Diamond ABS801LA12538

LyondellBasell Industries - Acrylonitrile Butadiene Styrene

General Information

Product Description

Diamond ABS801LA12538 is a Acrylonitrile Butadiene Styrene material. Features include: Medium Impact Resistance.

General

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| Features | • Medium Impact Resistance |
| Forms | • Pellets |

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	276000	psi	ASTM D638
Tensile Strength (Yield)	5370	psi	ASTM D638
Tensile Strength (Break)	5080	psi	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Tensile Elongation (Break)	14	%	ASTM D638
Flexural Modulus	377000	psi	ASTM D790
Flexural Strength	9140	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	4.9	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	183	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	163	°F	ASTM D648