



DAN Polymer

Technical Data Sheet

ABS Compound: DANCMP 742



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www.danpolymer.com
Rev01, June 2024

Description:

DANCMP 742 is one of the most widely used industrial thermoplastics. PC-ABS offers the most desirable properties of both materials.

Advantages:

High mechanical properties, medium impact and easy flow, good dimensional stability and chemical resistance

Characteristics:

Appearance: Granular
Color: Brown
Carrier: Acrylonitrile-Butadiene-Styrene copolymer
Processing Method: Injection molding

Application:

Home appliances, automobile parts, office equipment, sanitary ware, miscellaneous goods, toys, vacuumed cleaner parts, etc.

Properties:

Parameters	Value	Unit	Test Method
Physical			
Melt Flow Index (220°C, 10kg)	28±2	g/10 min	ASTM D 1238
Density	1.03 ±0.02	gr/cm ³	ASTM D 1505
Mechanical			
Tensile Strength @Peak	37±2	MPa	ASTM D 638
Elongation @Break	18±3	%	ASTM D 638
Notched Izod Impact(23°C)	27±2	KJ/m ²	ISO 180
Elastic Modulus	≥1600	MPa	ASTM D 638
Colorimetry(De)	≤ 1.5	-	Internal

*Test Condition: Samples were prepared by injection molding machine (100 Ton).



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Processing Conditions:

It is recommended that ABS should be dried at (80-85 °C) for 3 hours.

Injection Molding:

Rear Temp (°C)	Center Temp (°C)	Center Temp (°C)	Front Temp (°C)	Nozzle Temp (°C)
190-200	200-210	210-220	210-220	215-225
Melt Temp (°C)	Mold Temp (°C)	Filling Speed		
230	60-80	Slow-Mid		



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