

Technical Datasheet of Compound CMP 742

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).

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		



 Unit 302, Sheydayee BLD, Sazman AB, Tehranpars

 <https://irplastics.com/en>

 +98-21-77784838

