HCR

HCR, or High Consistency Rubber, is a type of rubber compound that is characterized by its high viscosity and consistency. It is commonly used in applications where the rubber material needs to be shaped and cured under high pressure and temperature conditions. HCR is typically supplied in solid or semi-solid form, and it requires specialized processing methods such as compression molding or extrusion.

Chemical Description

Description	Value
Material Type	Synthetic Rubber
Chemical Name	HCP High Consistency Rubber
Additives	Unfilled
Color	Black
UV Resistant	Yes

Physical Properties

Property	Maximum Unless Range is Specified
Density,lbs/in3	0.0401
Linear Mold Shrinkage,Flow,in/in	0.023
Processing Temp,°F	347
Cure Time,Hour	0.167
Shelf Life,Month	12.0

Mechanical Properties

Property	Maximum Unless Range is Specified
Elongation at Break	1490%
Hardness Shore A	25
200% Modulus,psi	82.7
Tear Strength,pli	177
Compression Set	82.9%

The material properties in this datasheet are provided by one of the manufacturers collaborating with Naxtry. Please note that material properties may slightly vary among different manufacturers. Naxtry can accommodate customer requests for specific materials or brands.